

Active Recombinant Monkey SLC39A6 Protein, His-tagged

Cat. No. SLC39A6-11117M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rhesus macaque LIV-1 Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Leu 21 - Ile 303 (Accession # AFH31852.1). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Leu 21
Species	Monkey
Source	HEK293
ProteinLength	21-303 aa
Description	LIV-1 is also known as SLC39A6, ZIP-6 and Zinc transporter ZIP6. May act as a zinc-influx transporter. Highly expressed in the breast, prostate, placenta, kidney, pituitary and corpus callosum. Weakly expressed in heart and intestine. Also highly expressed in cells derived from an adenocarcinoma of the cervix and lung carcinoma. Up-regulated by estrogen in breast cancer cells lines.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Rhesus macaque LIV-1 Protein, His Tag at 1 µg/mL (100 µL/well) can bind Anti-LIV-1 Antibody, Human IgG1 with a linear range of 0.2-4 ng/mL.
Molecular Mass	The protein has a calculated MW of 33.8 kDa. The protein migrates as 48-65 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>90% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	SLC39A6 solute carrier family 39 member 6 [<i>Macaca mulatta</i> (Rhesus monkey)]
Official Symbol	SLC39A6
Synonyms	SLC39A6; solute carrier family 39 member 6; zinc transporter ZIP6
Gene ID	709313
mRNA Refseq	XM_015121840
Protein Refseq	XP_014977326
UniProt ID	H9FSJ2

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